

TURBO BRAZE CORP -- TB-50, SOLDER

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MSDS Safety Information  
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FSC: 3439  
NIIN: 00-528-3882  
MSDS Date: 01/02/2000  
MSDS Num: CLHRS  
Product ID: TB-50, SOLDER  
MFN: 01  
Responsible Party  
Cage: 1BJ08  
Name: TURBO BRAZE CORP  
Address: 687 LEHIGH AVE  
Box: 897  
City: UNION NJ 07083-0897  
Info P  
Phone Number: 908-687-1030  
Emergency Phone Number: 908 687-1030 800-526-4932

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Item Description Information  
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Item Manager: S9G  
Item Name: BRAZING ALLOY,SILVER  
Specification Number: QQ-B-654  
Unit of Issue: TO  
UI Container Qty: 0  
Type of Container: MIL-W-45562

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Ingredients  
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Name:  
\*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: SILVER: OVEREXPOSURE TO SILVER DUSTS/ FUMES MAY CAUSE A PERMANENT GRAYISH PIGMENTATION OF THE SKIN, IRRITATION OF THE SKIN AND MUCOUS MEMBRANES, PROLONGED OVEREXPOSURE CAN LEAD TO

**KIDNEY DAMAGE. COPPER :**

EXPOSURE TO COPPER FUMES, DUSTS OR MISTS MAY RESULT IN METAL FUME FEVER, IRRITATION OF MUCUS MEMBRANES. CHRONIC POISONING RESULTS IN WILSON'S DISEASE, RENAL DISEASE AND COPPER DEPOSITION IN THE CORNEA. ZINC: MAY CAUSE METAL FUME FEVER. CADMIUM: MAY CAUSE NAUSEA, VOMITING PAIN, IRRITATION. CHRONIC: ANEMIA, LIVER & KIDNEY DAMAGE, DAMAGE TO BONE MARROW & DEATH.

Explanation Of Carcinogenicity: NOT LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.

**Signs And Symptoms**

Signs Of Overexposure: SILVER: MAY CAUSE A PERMANENT GRAYISH PIGMENTATION OF THE SKIN AND CAN CAUSE IRRITATION OF THE SKIN AND MUCOUS MEMBRANES. COPPER: INDUSTRIAL EXPOSURE TO COPPER FUMES, DUSTS OR MISTS RESULT IN METAL FUME FEVER WITH ATROPHIC CHANGES IN NASAL MUCOUS MEMBRANES. CHRONIC POISONING RESULTS IN WILSON'S DISEASE, CHARACTERIZED BY HEPATIC CIRRHOSIS, BRAIN DAMAGE, DEMYELINATION, RENAL DISEASE AND COPPER DEPOSITION IN THE CORNEA. ZINC: INHALATION OF FRESHLY FORMED ZINC MAY

PRODUCE SYMPTOMS OF METAL FUME FEVER, IRRITATION OF NOSE, THROAT, COUGH, STOMACH PAIN, HEADACHE, NAUSEA. CADMIUM: ANEMIA, EMPHYSEMA, LIVER & KIDNEY DAMAGE.

First Aid: EYES: FLUSH IMMEDIATELY FOR 15-20 MINUTES WITH WATER FOR 15 MIN. SEEK MEDICAL EVALUATION OF POTENTIAL CORNEAL DAMAGE. SKIN: PROMPTLY WASH WITH SOAP AND WATER; THEN FLUSH WITH WATER UNTIL ALL CHEMICAL IS REMOVED. REMOVE CONTAMINATED CLOTHING PROMPTLY AND WASH BEFORE REUSE. GET MEDICAL ATTENTION. INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE

OXYGEN, IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. CALL A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. GIVE CALCIUM GLUCONATE OR LACTATE/MAGNESIA/WATER. CALL A PHYSICIAN. DO NOT GIVE CARB OR BICARB SOLN

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**Handling and Disposal**  
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Spill Release Procedures: DILUTE AND WASH SPILLAGE WITH WATER. WEAR RUBBER

GLOVES DURING CLEAN UP. AVOID HIGH TEMPERATURES. PLACE IN CLOSED, LABELED CONTAINER FOR DISPOSAL OR RECYCLING.

Waste Disposal Methods: DISPOSAL OF WASTE PRODUCT MAY BE SUBJECT TO FEDERAL, STATE AND LOCAL REGULATIONS. USERS SHOULD REVIEW THEIR OWN OPERATIONS IN TERMS OF APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, THEN CONSULT WITH APPROPRIATE REGULATORY AGENCIES BEFORE DISCHARGE OR DISPOSING OF THE WASTE MATERIAL.

Handling And Storage Precautions: MAINTAIN AT

NORMAL ROOM TEMPERATURE. KEEP COVERED AND STORE IN A DRY AREA.

Other Precautions: REFER TO ANSI Z49.1 "SAFETY IN CUTTING AND WELDING".

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Fire and Explosion Hazard Information  
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Extinguishing Media: CO2, DRY CHEMICAL, FOAM, WATER.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: NONE

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Control Measures  
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Respiratory Protection: IN A CONFINED SPACE, USE A NIOSH APPROVED AIRLINE RESPIRATOR, HOSE MASK, OR SELF CONTAINED BREATHING APPARATUS.

Ventilation: LOCAL EXHAUST: AIR FLOW TO PRODUCE VELOCITY OF 100 LINEAR FT/MIN IN BRAZING ZONE. MECHANICAL: (GENERAL): 2000 CU. FT/MIN/BRAZER.

Protective Gloves: HEAT PROTECTIVE RUBBER

Eye Protection: SAFETY GOGGLES OR FULL FACE SHIELD

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Other Protective Equipment: NORMAL CLOTHING FOR TORCH BRAZING (AVOID FLAMMABLE FABRICS); EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS BEFORE EATING, DRINKING, AND SMOKING. THE DRINKING WATER SUPPLY IS PROHIBITED UNDER FEDERAL LAW IN THE WORKING AREA. DO NOT PERMIT EATING, DRINKING, OR USE OF TOBACCO PRODUCTS WHILE HANDLING.

Supplemental Safety and Health: SPECIAL: REFER TO ANSI Z 49.1 "SAFETY IN CUTTING AND WELDING" PUBLISHED BY: THE AWS, P.O. BOX 351040, MIAMI, FLO

RIDA  
33135.

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Physical/Chemical Properties  
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HCC: N1

Melt/Freeze Pt: =635.C, #####F

Solubility in Water: INSOLUBLE

Appearance and Odor: YELLOW/GOLD - NO ODOR.

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: MOISTURE, EXCESSIVE HEAT DURING STORAGE.

Mate

Materials To Avoid: ACIDS AND ALKALIS

Hazardous Decomposition Products: CADMIUM FUMES OR GAS, ZINC FUMES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Other Information: RATINGS: HEALTH =2; FLAMMABILITY = 0; REACTIVITY = 0.

MANUFACTURER DID NOT GIVE PERCENTAGE IN THE MSDS.

PER TIR: CHEMICAL

COMPOSITION IS SILVER 51%, CADMIUM 19%, ZINC 18.5%, COPPER 16.5%.

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Transportation Information  
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Responsible Party Code: 1BJ08

Trans ID NO: 158187

Product ID: TB-50, SOLDER

MSDS Prepared Date: 01/02/2000

Review Date: 08/10/2001

MFN: 1

Multiple KIT Number: 0

Unit Of Issue: TO

Container QTY: 0

Type Of Container: MIL-W-45562  
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Detail DOT Information  
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information

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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCOM Label

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Product ID: TB-5  
0, SOLDER  
Cage: 1BJ08  
Company Name: TURBO BRAZE CORP  
Street: 687 LEHIGH AVE  
PO Box: 897  
City: UNION NJ  
Zipcode: 07083-0897  
Health Emergency Phone: 908 687-1030 800-526-4932  
Label Required IND: Y  
Date Of Label Review: 08/10/2001  
Status Code: A  
Year Procured: 2001  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Moderate  
Fire Hazard: Slight  
Reactivity Hazard: None

Hazard And Precautions: SILVER: OVEREXPOSURE TO SILVER DUSTS/ FUMES MAY CAUSE A PERMANENT GRAYISH PIGMENTATION OF THE SKIN, IRRITATION OF THE SKIN AND MUCOUS MEMBRANES, PROLONGED OVEREXPOSURE CAN LEAD TO KIDNEY DAMAGE. COPPER : EXPOSURE TO COPPER FUMES, DUSTS OR MISTS MAY RESULT IN METAL FUME FEVER, IRRITATION OF MUCOUS MEMBRANES. CHRONIC POISONING RESULTS IN WILSON'S DISEASE, RENAL DISEASE AND COPPER DEPOSITION IN THE CORNEA. ZINC: MAY CAUSE METAL FUME FEVER. CADMIUM: MAY CAUSE NAUSEA

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